

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---|------------------|---------|------------------|
| L1    | 672879 | (M\$1R G\$1M\$1R T\$1M\$1R A\$1M\$1R T\$1M\$1J spin\$1valve\$1 (spin adj valve) magneto\$1resistive\$1 magneto\$1resistance magneto (magnetic adj (head element sensor apparatus memory))).ti,ab, clm. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:22 |
| L2    | 30790  | 1 and (groove depression)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:16 |
| L3    | 13     | 1 and (restorative adj force)  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:16 |
| L4    | 1      | 2 and 3  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:16 |
| L5    | 3310   | 2 and ((groove depression) same (free pinned reference sensing))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:17 |
| L6    | 568    | 2 and ((groove depression) near4 (force field strength restorative restoration))   | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:17 |
| L7    | 136    | 5 and 6  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:17 |
| L8    | 309382 | (M\$1R G\$1M\$1R T\$1M\$1R A\$1M\$1R T\$1M\$1J spin\$1valve\$1 (spin adj valve) magneto\$1resistive\$1 magneto\$1resistance magneto (magnetic adj (head element sensor apparatus memory))).ti,         | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:29 |
| L9    | 34     | 7 and 8  | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2005/06/02 11:33 |

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|-----|-----|--|---|----|----|------------------|
| L10 | 245 | 6 and 8  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 11:33 |
| L11 | 211 | 10 not 9   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 11:47 |
| L12 | 89  | (ARNOLD near2 CARL).in.<br>(DENISON near2 EDWARD).in.<br>(NIBARGER near2 JOHN).in.<br>(HELMs near2 CARL).in. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 11:48 |
| L13 | 20  | 12 and 1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 11:50 |
| L14 | 14  | ((free sense sensing) adj layer)<br>near4 (depression groove)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2005/06/02 11:51 |